

ADJUSTABLE SUCTION RING

ABSTRACT OF THE DISCLOSURE

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An adjustable suction ring for immobilizing the eyeball for use with any corneal surgical procedure that involves immobilizing the eyeball in relation to surgical tools. The suction ring is adjustable to fit eyeballs of differing diameters. The suction ring consists of an upper portion and a lower portion joined by a threaded connection. By rotating the lower section and backing out the threads, the distance between the upper engaging surface and the lower engaging surface is widened, thereby decreasing the curvature radius of the inferior engaging surface resulting in a proper fit between the suction ring and a small diameter eyeball. By rotating the lower section oppositely, the distance between the upper engaging surface and the lower engaging surface is shortened, thereby effectively increasing the curvature radius of the inferior engaging surface resulting in a proper fit between the adjustable suction ring and a large diameter eyeball.

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